



Basic Fuchsin

Basic fuchsin, a red-violet colored dye, is commonly used in biological staining, particularly for highlighting cell nuclei due to its affinity for DNA. It can also be used in some wastewater treatment processes, although other methods are typically more prevalent. The ability of basic fuchsin to adhere (adsorb) to particles allows its removal from water through filtration.

Cat. Number	ASC-1030
CAS Number	632-99-5
Additional CAS	58969-01-0
MDL Number	MFCD00012569
PubChem	310267270
Molecular Weight	337.86 g/mol
Molecular Formula	$C_{20}H_{20}ClN_3$
Storage Temperature	+20°C
Form and Color	Crystalline Powder, Green to Dark Green
Solubility (0.1% in ethanol)	Clear, red solution
Wavelength of Maximum Absorption (λ_{max})	547 - 557 nm
Absorptivity (1%/1cm)	≥ 2000
Loss on Drying	$\leq 10.0\%$
Dye Content	$\geq 80.0\%$